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Search Results - Record(s) 1 through 6 of 6 returned.

1. Document ID: US 20060000490 A1

L1: Entry 1 of 6

File: PGPB

Jan 5, 2006

PGPUB-DOCUMENT-NUMBER: 20060000490

PGPUB-FILING-TYPE:

DOCUMENT-IDENTIFIER: US 20060000490 A1

TITLE: Method and apparatus for cleaning residual material from the dispensing elements of mixing trucks

PUBLICATION-DATE: January 5, 2006

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Barragan; Jorge C.	Fremont	CA	US
Wallis; Charles D.	Tracy	CA	US

US-CL-CURRENT: 134/10; 134/104.2

ABSTRACT:

An apparatus, system, and method are provided for facilitating the cleaning of residual concrete from the dispensing elements of a truck, such as from the hopper, main chute, and auxiliary chute of a concrete mixing truck. The apparatus of the invention includes a catch basin that is mounted on and carried by the truck for receiving the runoff resulting from washing the concrete residue from the dispensing elements of the truck. A funnel assembly is mounted on the dispensing chute, and a hose is connected between the funnel assembly and the catch basin. The dispensing elements of the truck are then washed using water or other suitable liquid, and the mixture of liquid and residue passes through the funnel and hose, and into the catch basin. The system may also include a means for supporting and cleaning an auxiliary chute. The runoff received by the catch basin may be emptied at a later time and properly disposed of or recycled.

Full	Title	Creation	Print	Review	Classification	Date	Reference	Sequence	Attachments	Claims	Drawings
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2. Document ID: US 4997284 A

L1: Entry 2 of 6

File: USPT

Mar 5, 1991

US-PAT-NO: 4997284

DOCUMENT-IDENTIFIER: US 4997284 A

TITLE: Concrete and mortar distribution process and apparatus

DATE-ISSUED: March 5, 1991

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Tousignant; Robert C.	St. Paul	MN		
Tousignant; James W.	St. Paul	MN		
Tousignant; Richard L.	St. Paul	MN		

US-CL-CURRENT: 366/8; 366/14, 366/16, 366/40, 366/42

ABSTRACT:

Process and apparatus are provided to distribute specified, premixed quantities of dry mortar mix and cement to a construction site. Bulk bags and a hopper apparatus are transported to the construction site and utilized with a forklift and a mixer device. The hopper apparatus is adjustably assembled and is constructed and arranged to be hand operable to efficiently meter homogeneous predetermined quantities of the mixture out of a discharge chute. The premixed contents in the bulk bags are dumped into the hopper apparatus and discharged in metered quantities into the mixer device. A water dispensing structure is provided to discharge a predetermined volume into the mixer device to form mortar or concrete for use.

9 Claims, 24 Drawing figures

Exemplary Claim Number: 1

Number of Drawing Sheets: 11

Full	Title	Citation	Front	Referred	Classification	Date	Reference			Claims	Photo	Drawings
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3. Document ID: US 4953752 A

L1: Entry 3 of 6

File: USPT

Sep 4, 1990

US-PAT-NO: 4953752

DOCUMENT-IDENTIFIER: US 4953752 A

TITLE: Concrete and mortar distribution process and apparatus

DATE-ISSUED: September 4, 1990

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Tousignant; Robert C.	St. Paul	MN		
Tousignant; James W.	St. Paul	MN		
Tousignant; Richard L.	St. Paul	MN		

US-CL-CURRENT: 222/23; 222/133, 222/185.1, 222/196, 222/413

ABSTRACT:

Process and apparatus are provided to distribute specified, premixed quantities of

dry mortar mix and cement to a construction site. Bulk bags and a hopper apparatus are transported to the construction site and utilized with a forklift and a mixer device. The hopper apparatus is adjustably assembled and is constructed and arranged to be hand operable to efficiently meter homogeneous predetermined quantities of the mixture out of a discharge chute. The premixed contents in the bulk bags are dumped into the hopper apparatus and discharged in metered quantities into the mixer device. A water dispensing structure is provided to discharge a predetermined volume into the mixer device to form mortar or concrete for use.

24 Claims, 24 Drawing figures

Exemplary Claim Number: 1

Number of Drawing Sheets: 11

Full	Title	Citation	Front	Refer	Classification	Date	Reference	Claims	Draw	Draw
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4. Document ID: US 4337694 A

L1: Entry 4 of 6

File: USPT

Jul 6, 1982

US-PAT-NO: 4337694

DOCUMENT-IDENTIFIER: US 4337694 A

TITLE: System for handling and baling metallic scrap material

DATE-ISSUED: July 6, 1982

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Brown; Stanford M.	Grand Rapids	MI	49506	

US-CL-CURRENT: 100/45; 100/215, 100/232, 100/91, 100/94, 100/99

ABSTRACT:

A system including a combination of apparatuses for handling and baling metallic scrap material nominally into cubes in which a vibrating shaker conveyor hopper assembly, a conventional baling press modified by mounting a dumping hopper on its side, and a belt-type conveyor located between the shaker and dumping hoppers are provided. The scrap material is transferred by a front loader from a storage pad and dumped into the stationary hopper of the vibrating shaker conveyor hopper assembly, the said hoppers, conveyors, and baling press all being operatively interconnected to provide a continuous operative system which can be continuously fed by the front loader. Preferably at the discharge end of the shaker conveyor, a grate is provided to sift out dirt, grit and other extraneous material which falls onto and is carried away to a storage pad or container by a transverse conveyor.

9 Claims, 13 Drawing figures

Exemplary Claim Number: 1

Number of Drawing Sheets: 4

Full	Title	Citation	Front	Refer	Classification	Date	Reference	Claims	Draw	Draw
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5. Document ID: US 4333394 A

L1: Entry 5 of 6

File: USPT

Jun 8, 1982

US-PAT-NO: 4333394

DOCUMENT-IDENTIFIER: US 4333394 A

TITLE: Method for handling and baling metallic scrap material

DATE-ISSUED: June 8, 1982

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Brown; Stanford M.	Grand Rapids	MI	49506	

US-CL-CURRENT: 100/42; 100/215, 100/232, 100/43, 100/45, 100/901, 100/99, 177/120, 177/121

ABSTRACT:

A method and system including a combination of apparatuses for handling and baling metallic scrap material nominally into cubes in which a vibrating shaker conveyor hopper assembly, a conventional baling press modified by mounting a dumping hopper on its side, and a belt-type conveyor located between the shaker and dumping hoppers are provided. The scrap material is transferred by a front loader from a storage pad and dumped into the stationary hopper of the vibrating shaker conveyor hopper assembly, the said hoppers, conveyors, and baling press all being operatively interconnected to provide a continuous operative system which can be continuously fed by the front loader. Preferably at the discharge end of the shaker conveyor, a grate is provided to sift out dirt, grit and other extraneous material which falls onto and is carried away to a storage pad or container by a transverse conveyor.

4 Claims, 13 Drawing figures

Exemplary Claim Number: 1

Number of Drawing Sheets: 4

Full	Title	Citation	Front	Revised	Classification	Date	Reference	Claims	Full	Drawings
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6. Document ID: US 4096749 A

L1: Entry 6 of 6

File: USPT

Jun 27, 1978

US-PAT-NO: 4096749

DOCUMENT-IDENTIFIER: US 4096749 A

TITLE: Core sampling device

DATE-ISSUED: June 27, 1978

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
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Stewart; Robert A.

St. Petersburg

FL

33710

US-CL-CURRENT: 73/864.45; 249/DIG.4

ABSTRACT:

A core sampling device of the type utilized in forming concrete test cores in situ including a double-walled sleeve which is placed into the wet, fluid concrete in combination with an insertion tool whereby the sleeve, due to its configuration, may be pressed or "screwed" into the fluid concrete. By virtue of the double-walled construction of the sleeve, once the concrete has cured, the test core may be easily removed therefrom.

8 Claims, 7 Drawing figures

Exemplary Claim Number: 1

Number of Drawing Sheets: 1

Full	Title	Citation	Front	Revised	Classification	Date	Reference	Claims	FIGS	Original
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Term	Documents
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CONTAINERS	244405
CONCRETE	144197
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